

ZALSINSKI, E.

S

Production of Steel

The Possibilities of the Continuous Casting Steel. M. Schneider and E. Zalsinski. (Hutnik (Katowice), 1952, 19, 1, 1-6). [In Polish]. A survey of literature concerning the continuous casting of steel is given, and various aspects of this process are discussed.—v. a.

MINSKER, S.S., redaktor; ZALTAN, V.I., redaktor; VERINA, G.P., tekhnicheskii redaktor. ~~redaktor.~~

[Progressive work methods and new equipment in railroad transportation] O peredovykh metodakh raboty i novoi tekhnike na zheleznodorozhnom transporte; sbornik statei. Izd. 2-e, ispr. i dop. Moskva, Gos. transportnoe shel-dor. izd-vo, 1950, 277 p.
(Railroads) (MLRA 8:10)

ZALTS, A.S. [Zal'ts, A.S.]; OKS, G.Kh.; LVOV, P.A. [L'vov, P.A.]

Mechanization and automation of cold stamping processes in
small-scale production. Tekhnika Bulg 12 no.5:28-29 '63.

SOLDATOV, I. T., ZAL'TS. A. S.

Assembly-Line Methods

Conveyor assembly in limited quantity production. Mekh. trud. rab. 6
No. 3, 1952.

Monthly List of Russian Accessions, Library of Congress, June 1952. UNCLASSIFIED

ZALITS, A.S.; OKS, G.Kh.; L'VOV, P.A.

Mechanization and automation of cold stamping in small-lot
production. Mashinostroitel' no.1:14-16 Ja '63. (MIRA 16:2)
(Sheet-metal work--Technological innovations)
(Automation)

ZAL'TS, A.S.; OKS, G.Kh.; L'VOV, P.A.

Economical universal die block. Kuz.-shtam. proizv. 5 no.12:41-43
D '63. (MIRA 17:1)

ZAL'TS, A.S.; OKS, G.Kh.; L'VOV, P.A.

Improving the design and technological documentation.

Mashinostroi'tel' no.7:34-35 JI '63.

(MIRA 16:9)

(Machinery--Design and construction)

ZAL'TS, A.S.; OKS, G.Kh.; L'VOV, P.A.

Mechanization and automatic control of sheet metal working
processes in small batch production. Kuz.-shtam.proizv. 5
no.4:42-43 Ap '63. (MIRA 16:4)
(Sheet metal working machinery)
(Automatic control)

ZAL'TS, A.S.; OKS, G.Kh.; L'VOV, P.A.

Multiple stamping with interchangeable dies. Mashinostroitel' no.5:
32-34 My '65. (MIRA 18:5)

ZALIS, K. Ya.

Metody vychisleniya indeksov tsen (na latv. yaz) riga, zh. latv. ekonomist (1927).
Statisticheskiye material'y v latyshskikh naro nykh pesnyakh (4 rab. Na latv. yaz.).
Riga, (1922-1932)

SO: Mathematics in the USSR, 1917-1947

edited by Kurosh, A. G.

Markushevich, A. L.

Rashevskiy, P. K.,

Moscow-Leningrad, 1943

ZAL'TSBERG, G. S.

124-58-6-7023

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 6, p 108 (USSR)

AUTHOR: Zal'tsberg, G. S.

TITLE: Analytical Substantiation of the Mohr Method (Analiticheskoye obosnovaniye sposoba Mora)

PERIODICAL: Tr. Kishinevsk. s. -kh. in-t, 1957, Vol 15, pp 83-86

ABSTRACT: Bibliographic entry

1. Mathematics

Card 1/1

ZAL'TSBERG, L. ; PONROVSKIY, Yu., kapitan-leytenant

Accuracy in determining the speed of a vessel and the
lag coefficient with help of radar stations and ways to
increase it. Mor.flot. 20 no.8:13-14 Ag '60.
(MIRA 13:8)

1. Nachal'nik sudovoditel'skogo otdeleniya Liyapayskogo
morekhnogo uchilishcha (for Zal'tsberg).
(Ship propulsion)
(Radar in navigation)

ZAL'TSBERG, Loyb Aronovich; AKIT, Robert Petrovich; KOLLESNIKOV, V.G., spets-
red.; RODIN, Ye.D., spetsred.; PETIN, M.I., red. izd-va; TIKHONOVA,
Ye.A., tekhn. red.

[Ship handling; study manual for seamen] Sudovozhdenie; uchebnoe
posobie dlia matrosov. Moskva, Izd-vo "Morskoi transport," 1958.
232 p. (MIRA 11:10)

(Navigation) (Ships)

ZAL'TSBERG, I.M., inzh.

The S-632 continuous concrete mixing unit. Avt. dor. 26 no.6:
11-12 Ja. '63. (MIRA 16:8)

(Concrete mixers)

ZAL'TSBERG, M., inz. KOZINA, I., inzh.

Continuous automatic concrete mixing unit. Bud.mat.i konstr.
no.5:13-16 S-O '62. (MIRA 15:11)
(Automatic control) (Concrete mixers)

ZAL'TSBERG, M.G. i GASUL'R. Ya., i GOLUBOCHANSKAYA, S. Ya.

22048

Zal'tsberg, M.G., Gasul'R. Ya., i Golubochanskaya, S. Ya. Flyuorografiya v
rannem Vyyavlenii. Tuberkuleza u deley. - V ogl. 2-y avt. E. M. Golubochanskaya.
Uchen. Zapiski Nauch-issled. in-ta tuberkuleza v Odesse, Ch. 1, 1948, s. 45-48.

SO: Letopis' Zhurnal'nykh Statey, No. 29, Moskva, 1949.

ZAL'TSBERG, M.G.

22052 Zal'tsberg, M. G. Klinicheskaya kharakteristika rentgenologicheskii malovyrakhennykh form tuberkuleza legkikh s kratkovremennym vydeleniem BK (Kratkoye soderzhanie Kand dissertatsii). Uchenye Zapiski, Nauchno-issled. in-ta tuberkuleza v Odesse, Ch. 1, 1948, s. 83-86

SO: Ietopis' Zhurnal'nykh Stran, No. 29, Moskva, 1949.

ZALITSBERG, Y. G.

"Problems of Isolating Koch's Bacillus from Cases with Possible Roentgenological Aspects of Pulmonary Tuberculosis," Prob. Tuber., No. 2, 1949.

Cand. Medical Sci.

Mbr., Roentgenological Sect. Odessa Sci. Res. Tuberculosis Inst., -c1949-.

LEONSCU, M.; MANOLIU, N.; ANGELESCU, C.; BABA, C.; PAVLU, A.; ZALTSBERG, N.;
MANOLIU, E.; LANDES, C.

On the diagnosis and clinical aspects of anicteric hepatitis in
children. Rev. sci. med. 6 no.3/4:161-164 '61.
(HEPATITIS in inf. & childh.)

ZAL'TSBERG, S.G.

124-58-6-7037

Translation from: Referativnyy zhurnal Mekhanika, 1958, Nr 6, p 108 (USSR)

AUTHOR: Zal'tsberg, S.G.

TITLE: Applying a Basic Theorem of Kinematics to the Development of
Formulae for the Normal Stresses in Straight Bars (Prilozheniye
osnovnoy teoremy kinematiki k vyvodu formul normal'nykh napr-
yazheniy v pryamykh sterzhnyakh)

PERIODICAL: Tr. Kishinevsk. s.-kh. in-t, 1957, Vol 15, pp 69-73

ABSTRACT: Bibliographic entry

1. Beams---Stresses 2. Mathematics---Applications

Card 1/1

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 7, p 112 (USSR) SOV/124-58-7-8091

AUTHOR: Zal'tsberg, S.G.

TITLE: On the Supplementary Stresses Present in a Case of Simple Flexure
(O dopolnitel'nykh napryazheniyakh pri chistom izgibe)

PERIODICAL: Tr. Kishinevsk. s. -kh. in-t, 1957, Vol 15, pp 75-82

ABSTRACT: In solving the problem of the simple flexure of a rectangular-section rod the author proposes taking into account the dimensional changes in the surfaces over which the stresses act and setting up equations of equilibrium for the strain distribution in an elemental unit. Large deformations are examined in this fashion. In this case it would be necessary, as is well known, to take into account the nonlinear terms in the expression for Hooke's law and the changes in the transverse dimensions of the rod---which the author does not do. Unless allowance is made for these factors the theory remains without practical significance.

V. L. Biderman

Card 1/1

1. Rods--Deflection 2. Rods--Stresses 3. Mathematics--Applications

POCHITALIN, T.; GAVRYUK, I.; ZALITSBERG, Yu.; BARANYUK, Yu.

News from schools. Prof.-tekh. obr. 17 no. 11:32, 3 of cover
H '60. (MIRA 13:12)
(Education, Cooperative) (Student activities)

ZAL'TSBERG, Yu.

Seminar for senior foremen. Prof.-tekhn. obr. 17 no.5:24
My '60. (MIRA 13:7)
(Kustanay Province--Farm mechanization--Study and teaching)

ZAL'TSER, G.I.

Conditions for cyclic Fek symmetry and Young's scheme. Zhur. eksp. i
teora. fiz. 35 no.4:1058-1059 O '58. (MIRA 12:1)

1. Leningradskiy sel'skokhozyaystvennyy institut.
(Electrons)

ZAL'TSGEBER, O., kandidat meditsinskikh nauk; NUSBAUM, D., nauchnyy
~~sotrudnik~~; FIRSOV, V.; KUZNETSOV, A., master proizvodstvennogo
obucheniya.

Experience in the cooperation of science and practical work.

Prof.-tekh.obr. 12 no.1:5-8 J '55.

(MIRA 8:3)

1. Starshiy nauchnyy sotrudnik instituta im. V.F.Erismana (for
Zal'tsgeber). 2. Starshiy master remeslennogo uchilishcha po mekha-
nizatsii sel'skogo khozyaystva No.14 (Moskovskaya oblast') (for
Firsov).

(Moscow--Technical education)

RUSSIAN MEDICA Sec 12/Vol 13/5 Ophthalmology May 59

727. THE PHYSIOLOGIC AND HYGIENIC CONSIDERATIONS IN THE CONSTRUCTION OF SCHOOL BENCHES FOR PUPILS WITH DEFECTIVE VISION (Russian text) - Zaltsgeber O. A. - SBORN. INFORM. - METOD. MAT. INST. IM. GELMGOLTSA 1956, 4 (122-131)

On the basis of his investigations of the special schools for poor-sighted children, the author developed a universal school bench for pupils with defective vision. From study of the special requirements of these children it was possible to work out the measurements and various requirements in the construction of a preliminary model of the universal bench. The use of this bench will help teaching and promote the conservation and development of vision. (S)

ZAL'TSMAN, A.A., kand.biolog.nauk

Simplified approach to an important problem. Zhivotnovodstvo 22
no.2:64-65 F '60. (MIRA 15:11)

1. Zaveduyushchiy laboratoriyey Iskusstvennogo osemeneniya Instituta
zhivotnovodstva i veterinarii AN Tadzhikskoy SSR.
(Artificial insemination)

ZAL'TSHAN, A.M.; MAUMOVA, N.A.; FRIDBERG, G.V., inzh., red. izd-va;
DMITRIYEVA, N.L., arkhitektor, red. izd-va; STRELETSKIY, I.A.,
tekh.n.red.

[Principles in designing standard apartment houses] Printsipy
proektirovaniia tipovykh zhilykh domov. Moskva, Gos. izd-vo lit.
po stroit. i arkhit., 1957. 86 p. (MIRA 11:4)
(Apartment houses)

GEL'BERG, L.A.; FEDOROV, G.I.; ZAL'TSMAN, A.M.; KAPUSTYAN, Ye.D.;
BAYAR, O.G.; DELLE, V.I.; SHERENTSI, A.A.; MAKRAKOVA, T.G.;
MONED, Yu.B.; KOLOTILKIN, B.M.; GLADKOV, B.V.; CAVALOV,
O.V., red.; GOLOVKINA, A.A., tekhn. red.

[Housing construction in the U.S.S.R.; present state and
prospects for development] Zhilishchnoe stroitel'stvo v SSSR;
sostoianie i perspektivy razvitiia. Moskva, Gosstroizdat,
1962. 202 p. (MIRA 15:11)
(Apartment houses) (Construction industry)

ZALITSKY, ALEXSEY MIKHAYLOVICH

ZALITSKY, Aleksey Mikhaylovich; KOLOTILKIN, Boris Mikhaylovich; KUTSENOVA, A.A., red.; GUSEVA, S.S., tekhn.red.

[Reducing costs in housing construction] Voprosy snizheniya
stoimosti zhilishhnogo stroitel'stva. Moskva, Gos. izd-vo lit-ry
postroit. i arkhitekt., 1957. 123 p. (MIRA 11:3)
(Housing--Costs) (Apartment houses)

SOV/96-59-6-20/22

AUTHOR: A. Sh. Zal'tsman (Engineer) and V.V. Yefimov (Engineer)

TITLE: Book Review: "The Future Development of Steam and Gas Turbines in Electric Power Stations" by S.A. Aksyutin, Mashgiz, 1957 (O knige S.A. Aksyutina, 'Perspektivy razvitiya parovykh i gazovykh turbin elektricheskikh stantsiy', Mashgiz, 1957)

PERIODICAL: Teploenergetika, 1959, Nr 6, pp 92-93 (USSR)

ABSTRACT: The book was reviewed in Teploenergetika Nr 11, 1958. This number contains two brief discussions as follows. Engineer A.Sh. Zal'tsman, p 92. The book deals with a number of current problems but the reviewer does not tell the reader enough about its contents and the main ideas of the author. Various recommendations are made to improve the book; in particular, Chapter 2 should be enlarged. There are numerous misprints but these and the other faults do not detract from the major achievement of the work.

Card 1/2

SOV/96-59-6-20/22

Book Review: "The Future Development of Steam and Gas Turbines in Electric Power Stations" by S.A. Aksyutin, Mashgiz, 1957

Engineer Yefimov, V.V. pp 92-93. The reviewer distracts attention to minor points and ignores the main conclusions and information given in the book. It is pointed out that in various respects the review was unsatisfactory.
There is 1 table.

Card 2/2

BORISOV, P.P; ZAL'TSMAN, B.L.; ROMANOVA, Z.V. ---

Lubrication and Lubricants

Effects of resins and asphalt on oxidation of lubricating oils. Vest. Mosk. un.7 No. 5, 1952

Monthly List of Russian Accessions, Library of Congress, November 1952 Unclassified

ZAL'TSMAN, B.H.

Interaction of image and word in the processes of reproduction in
children of secondary school age. Nauk. zap. Nauk.-dosl. inst. psychol.
11:49-52 '59. (MIRA 13:11)

1. Pedagogicheskiy institut im. A.M.Gor'kogo, Kiev.
(Reproduction (Psychology))

USMANOV, G.R.; ZAL'TSMAN, E.I., inzh.

Experiment in growing balsam poplar seedlings. Put' 1 put. khoz.
9 no. 7:30 '65. (MIRA 18:10)

1. Kazakhskiy nauchno-issledovatel'skiy institut lesnogo
khozyaystva (for Usmanov). 2. Belinogradskaya distantiya
zashchitnykh lesonasazhdeniy (for Zal'tsman).

TALANOV, P.I.; KOTSYUBINSKIY, O.Yu.; ZAL'TSMAN, E.S.

Methods of calculating the cooling of a casting in a multi-layer mold. Izv. vys. ucheb. zav.; Chern. met. 7 no. 7:195-201
1964 (MIRA 17:8)

1. Moskovskiy stankoinstrumental'nyy institut.

KOTSYUBINSKIY, O.Yu.; ZAL'TSMAN, E.S.

Method for calculating the cooling of flat castings in a mold.
Inzh.-fiz.zhur. 5 no.4:75-77 Ap '62. (MIRA 15:4)

1. Eksperimental'nyy nauchno-issledovatel'skiy institut
metallorezhushchikh stankov, zavod "Stankokonstruktsiya", Moskva.
(Founding)

ZALTSMAN, G.

The Trabant starts from here. Nauka i tekhnolozhiya 14 no.5:6-7
My '62.

ZAL'TSMAN, G., kand.med.nauk

"Essays on the healthy and sick mind" by N.V. Kantorovich.

Reviewed by G. Zal'tsman. Sov.zdrav.Kir. no.1:62-63 Ja-F '63.

(MIRA 1643)

1. Zaveduyushchiy kafedroy psikiatrii Kazakhskogo gosudarst-
vennogo meditsinskogo instituta.

(PSYCHIATRY)
(KANTOROVICH, N.V.)

ZAL'TSMAN, G.G.

Review of V.A. Panardzhian's book "Manual on roentgenodiagnosis." G.G.
Zal'tsman. Vent.rent.i rad. no.2:81-83 Mr-Apr '53. (MLRA 6:6)
(Diagnosis, Radioscopic) (Panardzhian, V.A.)

Zal'tsman, G.G.
ZAL'TSMAN, G.G., kand.med.nauk (Moskva)

Diagnosis of Meckel's diverticulum. Vrach.delo supplement '57:54
(MIRA 11:3)

1. Rentgenologicheskoye otdeleniye polikliniki Ministerstva
goskontrolya.
(ILEUM--ABNORMALITIES AND DEFORMITIES)

ZAL'TSMAN, G.G., kani.med.nauk (Moskva, K-104, Malaya Bronnaya, d.20, kv.18)

X-ray diagnosis in cancer of the common bile duct. Vest.khir. 79
no.8:124 Ag '57. (MIRA 10:10)

1. Is infektsionnogo otdeleniya Moskovskoy klinicheskoy ordena
Lenina bol'nitsy im. S.P.Botkina (gl.vrach - prof. A.N.Shabanov)
(BILE DUCTS—CANCER) (DIAGNOSIS, RADIOSCOPIC)

ZADITSKY, G. I.

Dissertation: "Experimental Investigation of Conditioned Connections of the First and Second Signal System in Schizophrenia." Cond Med Sci, Kazakh Medical Inst imeni V. M. Molotov, 20 Apr 54. (Kazakhstanskaya Pravda, Alma-Ata, 9 Apr 54)

SO: SUM 243, 19 Oct 1954

ZAL'TSMAN, G.I.; LENSKIY, G.P.

Effect of aminazine on hyperthermia produced by sulfozin. Izv. AN
Kazakh. SSR. Ser. med. i fiziol. no.2:96-100 '61. (MIRA 15:4)
(PYROGENS) (CHLORPROMAZINE) (FEVER)

ZAL'TSMAN, G.I.; LENSKIY, G.P.

Treatment of schizophrenia cases resistant to the usual methods of active treatment. Report No; 1. Zdrav. Kazakh. 21 no.8:35-39 '61.
(MIRA 14:9)

1. Iz kafedry psikhiiatrii Kazakhskogo meditsinskogo instituta i klinicheskoy psikhonevrologicheskoy bol'nitsy g. Alma-Aty.
(SCHIZOPHRENIA)

ZAL'TSMAN, G.I.; ZINOV'YEVA, I.D.; KUMANICHKIN, S.D.; TURYGINA, A.V.

Comprehensive study of the state of some systems of the human organism
under the conditions of increased pressure of oxygen. Funk. org. 7 un.
izm. gaz. sredy 3:138-144 '64. (MIRA 1/311)

ZAL'TSMAN, G.I.; LENSKIY, G.P.

Effect of hashish on the psyche. Zdrav. Kazakh. 22 no.9:
30-35 '62. (MIRA 17:2)

1. Iz kafedry psikhiiatrii Kazakhskogo meditsinskogo instituta
i psikhonevrologicheskoy klinicheskoy bol'nitsy Alma-Aty.

ZAL'TSMAN, G.I.; LENSKIY, G.P.; ILESHEVA, R.G.

Treatment of schizophrenia resistant to the standard methods
of therapy (second report). Zdrav. Kazakh. 22 no.1:30-34
'62. (MIRA 15:3)

1. Iz Kafedry psikiatrii Kazakhskogo meditsinskogo instituta
i Alma-Atinskoy gorodskoy klinicheskoy psikhonevrologicheskoy
bol'nitsy.

(SCHIZOPHRENIA)

ZAL'TSMAN, G. L.

Zal'tsman, G. L. - "Material on the problem of the nervous mechanism in the genesis of heterotransfusion shock", In the collection: Mekhanizm patol. reaktsiy, Issues 11-15, Leningrad, 1949, p. 265-66.

SO:V-4329, 19 August 53, (Letopis 'Zhurnal 'nykh Statey, No. 21, 1949).

PHASE I BOOK EXPLOITATION

SOV/5849

Zal' tsman, Genrikh L' vovich

Fiziologicheskiye osnovy prebyvaniya cheloveka v usloviyakh povyshennogo davleniya gazovoy sredy (Physiological Principles of Human Existence Under Conditions of Increased Gaseous Pressure) [Leningrad] Medgiz, 1961. 185 p. Errata slip inserted. 2000 copies printed.

Ed. (Title page): Ye M. Kreps, Corresponding Member, Academy of Sciences USSR; Ed.: Z. A. Vasil'yeva; Tech. Ed.: Z. V. Chunayeva.

PURPOSE: This book is intended for physiologists, pathophysiologists and biologists, and also for specialists in diving and caisson work.

COVERAGE: The book describes the manifold processes taking place in the human organism under high pressure of oxygen, air, and artificial gaseous mixtures. Various types of physiological effects from high-gaseous-medium

Card 1 ~~17~~

Physiological Principles of Human Existence (Cont.)

SOV/5849

pressures are analyzed in the light of the present-day understanding of irritants, irritant processes, and attendant physiological and pathological reactions. The author's treatment includes a special investigation of the onset of the toxic effect on the human organism from the gas pressures used, and considers the physiologically optimum gaseous mixtures for increasing work efficiency. Methodical examples have been developed which make it possible to characterize nervous processes ranging from elementary unconditioned reactions to complex cortical reactions. The author thanks the following for their help in working out experimental methods and in carrying out the actual experimental work, and for their contributions to individual sections of the book: Professor N. N. Traugott, I. D. Zinov' yeva, and B. A. Nes-sirio (Chs. II-III), and S. D. Kumanichkin, I. D. Zinov' yeva, and S. Ye. Bulenkov (Chs. VII-VIII). The following are mentioned for their advice, helpful suggestions, and interest in the present work: L. Ya. Balonov, Doctor of Medical Sciences, Professor A. P. Brestkin, Z. S. Gusinskiy, Candidate of Medical Sciences, A. G. Zhironkin, Doctor of Medical Sciences,

Card 2/7

1. Physiological Principles of Human Existence (Cont.) SOV/5849

Professor Ye. M. Kreps, Professor O. M. Todes, and Professor V. S. Galkin [deceased]. There are 267 references: 135 Soviet, 94 English, 20 German, 15 French, 2 Swedish, and 1 Italian.

TABLE OF CONTENTS:

Introduction 3

PART I. TYPES OF PHYSIOLOGICAL EFFECTS FROM
HIGH PRESSURES IN A GASEOUS MEDIUM

Ch. I. Mechanical Transmission Effect of High Pressures in
a Gaseous Medium 7

Mechanical effect of a gaseous medium as an irritant 7

Process of compression of the organism 10

Reaction of the organism to compression 13

Card 3/7

ABSTRACT: By studying the comparative magnitude of permissible supersaturation, the authors were able to evaluate the effects of the respiration of various gas mixtures under different external pressure conditions. In the first series of tests, 3 professional divers were examined while breathing air or various gas mixtures (including a 50% helium, 39.6% nitrogen, 10.4% oxygen mixture and a 71% helium, 19.8% nitrogen, 5.2% oxygen mixture). Subjects were placed in a dry recompression chamber and breathed from an isolated respiration apparatus. Compression took place for 1—2 min.

Card 1/4

148893-59
ACCESSION NR: AT5010594

Increased pressure was applied for 1 hr, followed by decompression for 0.5 hr. The first test took place at 2 atm. In subsequent experiments

45893-65

ACCESSION NR: AT5010594

a helium-oxygen mixture was 0.5--1.0 atm higher than the pressure while breathing air, and that for a helium-air mixture was 0.25--0.5 atm greater than for a helium-oxygen mixture. The symptoms of decompression sickness differed according to the proportion of various gas mixtures. When breathing air, decompression symptoms were characterized by tingling of the skin. During respiration in a 20% helium-oxygen mixture the only symptoms were deep muscular aches, which necessitated therapeutic recompression. When breathing a 50% air-helium mixture, the symptoms were mixed and painful sensations were either minimal or did not occur at all. When breathing a 75% air-helium mixture, the symptoms were of a "helium" nature.

The second series showed that permissible supersaturation varied significantly according to the pressure under which the determination was made. The greater the initial pressure, the greater the magnitude of permissible supersaturation. Results from 18 subjects showed that 17 were

Card 3/4

44847-55
ACCESSION NR: AT5010594

It was concluded that the magnitude of permissible supersaturation depends upon the nature of the inert gas and on the level of external pressure. The higher the external pressure, the greater the decrease in pressure the organism is able to withstand.

Orig. art. has 2 tables.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: PH, LS

NO REF SOV: 003

OTHER: 001

ATD PRESS: 3240-F

ACCESSION NR: AT501060x

systems were also recorded

It was found that the onset of the earliest changes which take place in the human organism as a result of a high partial pressure of oxygen and the dynamics of their development can be determined by simultaneous investigation of the physiological functions of the central nervous system, the motor system, the cardiovascular system, and the respiratory system. During the initial period of exposure to increased oxygen pressure, the registered changes of function in the systems of the organism were compensated for and did not show up in the behavioral reactions of the subjects.

During the period of further exposure to increased pressure, when pathological symptoms of the toxic effects of oxygen began to appear, the most pronounced disruptions took place in the

Card 2/2

L 59630-65

ACCESSION NR: AT5010609

Toward the end of the experiment the heart rate tended to increase, as did the respiratory rate. In two out of three cases, a significant contraction of the field of peripheral vision took place.

ASSOCIATION: none

SUBMITTED: 00

NO REF SOV: 007

ENCL: 00

OTHER: 004

SUB CODE: LS, PH

ATTN PRESS: 3042-7

Card 3/3

ACC NR: AT6036566

SOURCE CODE: UR/0000/66/000/000/0176/0177

AUTHOR: Zal'tsman, G. L.; Zinov'yeva, I. D.; Savich, A. A.; Selivra, A. I. 2/

ORG: none

TITLE: The functional state of nervous system centers in humans and animals during the formation of convulsive reactions to hyperoxia [Paper presented at the Conference on Problems of Space Medicine held in Moscow from 24 to 27 May 1966]

SOURCE: Konferentsiya po problemam kosmicheskoy meditsiny, 1966. Problemy kosmicheskoy meditsiny. (Problems of space medicine); materialy konferentsii, Moscow, 1966, 176-177

TOPIC TAGS: hyperoxia, central nervous system, oxygen induced convulsion, electroencephalography

ABSTRACT: **APPROVED FOR RELEASE: 09/19/2001** **CIA-RDP86-00513R001963710014-9**
A complex study was made of higher nervous activity, EEG's and EMG's (electromyograms) and cardiovascular and respiratory system parameter measurements in human subjects who breathed high-pressure (3.5 and 4 at) oxygen until the initial pathological epileptoid symptoms appeared. Experiments beyond that point utilized dogs and rabbits. In the animal experiments, electrodes were implanted in various parts of the brain, including deep structures, and electrograms were made during respiration of oxygen at pressures up to 5 at various stages of the formation of the convulsive reaction.

Card 1/2

I, 10948-67

ACC NR: AT6036566

It was found that in the initial stage of hyperoxia, high voltage discharges appear on the EEG of humans and the electrosubcorticogram of animals. These shifts are compensated in this stage and do not affect behavioral and sympathetic reactions, which show adaptive changes only.

In the final stage of high pressure oxygen breathing -- the precursor period -- whole groups of subcortical and cortical structures are recruited into the process, and dysfunctions of the motor, cardiovascular, respiratory, and other systems of the organism simultaneously appear.

This precursor stage is followed by the onset of chronic convulsions due to profound disturbance of the normal processes of cerebral regulation, and the appearance in all structures of epileptoid pathological rhythms. [W.A. No. 22; ATD Report 66-116]

SUB CODE: 06 / SUBM DATE: 00May66

Card 2/2 *b7p*

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Increased individual predisposition of the examinee to the effect
of high partial oxygen pressures. Funk. org. v usl. izm. gaz. sredy
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Jl '61. (MIRA 14:8)

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Lengorispolkoma (for Luk'yanov). 2. Direktor mekhanicheskogo
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Zal'tsman).
(Leningrad--Sheet-metal work) (Radiators)

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(West Siberian Plain--Geology, Stratigraphic)

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territorial'nogo geologicheskogo upravleniya.
(West Siberian Plain--Geology, Stratigraphic)

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no.1:91-102 '59. (MIRA 12:4)

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nauchnyy redaktor; SKVORTSOVA, I.P., redaktor izdatel'stva;
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[Advanced methods in finishing work; practice of constructing
schools using of large blocks in Moscow] Progressivnye sposoby
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(Moscow--Schoolhouses)

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Establishing norms for plowing and intertillage. Mekh. sil'.
hosp. 14 no.5:20-21 My '63. (MIRA 16:10)

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produktov UkrSSR.

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Brief review of "The British Journal of Radiology" for
1962. Med. rad. 8 no.8:72-76 Ag '63. (MIRA 17:10)

ZAL'TSMAN, Isaac Moiseyevich, inzh.; LUK'YANOV, Nikolay Vasil'yevich;
KOMAROVSKIY, M.F., inzh., red.; SHILLING, V.A., red. izd-va;
BELOGUROVA, I.A., tekhn. red.

[Manufacturing and installing stamped steel radiators] Opyt izgotovleniya i montazha stal'nykh shtampovannykh nagrevatel'nykh priborov. Leningrad, 1961. 21 p. (Leningradskii Dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriya: Stroitel'naya promyshlennost', no.7) (MIRA 14:7)

(Radiators)

IINDENBRATEN, I.D.; ZAL'TSMAN, I.N.

Structure and function of a training museum of the department
of roentgenology and radiology. Vestn. rent. i rad. 38 no.3:
52-56 My-Je '63. (MIRA 17:7)

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(MIRA 16:4)

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(Tractors—Engines)
(Agricultural wages)

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31-32 F '63. (MIRA 16:4)

1. Ministerstvo proizvodstva i zagotovok sel'skokhozyaystvennykh
produktov UkrSSR.

(Ukraine—Agricultural wages)

PATIAN', P.I.; ZAL'TSMAN, I.N.

For each farm well-founded norms of output. Mekh. sil'. hosp.
13 no.7:13-14 J1 '62. (MIRA 17:3)

1. Ministerstvo proizvodstva i zagotovok sel'skokhozyaystvennykh
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KHOL'NOVA, V.I.; KOVRIZHNYKH, V.G.; YELAGINA, Z.A.; Prinimali uchastiye:
VINOKUROV, N.D.; ANDRIANOV, F.F.; ZAL'TSMAN, I.Ya.; VOLKOV,
Ye.S.; VASILJEVSKAYA, M.A.; KOMAROVA, N.K.

Investigating large-size forgings made of the B93 alloy.
Alum. splavy no.3:136-144 '64. (MIRA 17:6)

L 46988-66 EWT(m)/EWP(t)/ETI IJP(c) JD/JT

ACC NR: AT6024909

(A, N)

SOURCE CODE: UR/2981/66/000/004/0021/0025

AUTHOR: Zal'tsman, I. Ya.; Grushko, O. Ye.; Semenov, A. Ye.; Zasyplin, V. A.;
Vinokurov, N. D.; Kryukov, M. A.; Iavstyugin, A. P.; Bozhenok, I. V.

ORG: none

TITLE: Some aspects of the preparation of VAD23 alloySOURCE: Alyuminiyevyye splavy, no. 4, 1966. Zharoprochnyye i vysokoprochnyye splavy
(Heat resistant and high-strength alloys), 21-25TOPIC TAGS: aluminum alloy, copper containing alloy, lithium containing alloy, manga-
nese containing alloy, cadmium containing alloy / VAD23 alloy

ABSTRACT: VAD23 alloy belongs to alloys of the Al-Cu-Li system with small admixtures of Mn and Cd. Because of the loss of lithium from the melt during the preparation of this alloy, the introduction of lithium (and cadmium) was carried out under a special flux consisting of a eutectic mixture of lithium and potassium chlorides. This flux was found to prevent the loss of lithium to a considerable extent; however, as the lithium content of the alloy increases, this protection becomes less effective. Particular attention must be paid to the quality of preparation of the flux and to the manner in which lithium is introduced into the melt (without disturbing the flux). The flux has the disadvantage of being hygroscopic because of the LiCl present in its composition, and therefore must be used only in the liquid or freshly-remelted state, the

Card 1/2

L 46988-66

ACC NR: AT6024909

liquid state being preferred. Refining of the alloy with gaseous chlorine after the addition of lithium insures the required purity of the ingots. Orig. art. has: 3 figures and 1 table.

SUB CODE: 11/ SUBM DATE: none/ ORIG REF: 001/ OTH REF: 001

Card 2/2

L 46987-66 EWP(k)/EWT(m)/EWP(t)/ETI IJP(c) JH/JD

ACC NR: AT6024910

(A, N)

SOURCE CODE: UR/2981/66/000/004/0026/0031

AUTHOR: Grushko, O. Ye.; Zal'tsman, I. Ya.; Vinokurov, N. D.; Semenov, A. Ye.;
Zasytkin, V. A.; Kryukov, M. A.; Yevstyugin, A. P.; Bozhenok, I. V.

ORG: none

TITLE: Process of casting VAD23-alloy ingots

SOURCE: Alyuminiyevyye splavy, no. 4, 1966. Zharoprochnyye i vysokoprochnyye splavy
(Heat resistant and high-strength alloys), 26-31

TOPIC TAGS: metal casting, lithium containing alloy, aluminum alloy, copper containing alloy/VAD23 aluminum alloy

ABSTRACT: In elaborating a process for casting ingots from VAD23 alloy by the continuous method, the authors studied the casting properties (tendency to form hot and cold cracks) of this alloy, established the temperature conditions of the casting, and determined the methods of protecting the metal during transit from the mixer to the crystallizer and in the crystallizer. The chemical activity of lithium, which enters into the composition of the alloy, made it necessary to protect the alloy surface during transit. Two methods were tested for this purpose, involving the use of (1) sulfur dioxide and (2) a flux consisting of a eutectic mixture of lithium and potassium chlorides. Only the latter method gave satisfactory results. A temperature of 700-730°C was found to be optimal for casting. The quality of the ingots obtained was thoroughly

Card 1/2

L 46987-66

ACC NR: AT6024910

checked by analyzing the structure of fractures, microstructure, density, liquation, and mechanical properties along the length and cross section of the ingot in the longitudinal and trasverse directions. The elaborated casting process, which includes protection of the metal with a liquid flux on the path from the mixer to the orystrallizer, produced good-quality ingots. Orig. art. has: 3 figures and 1 table.

SUB CODE: 11/ SUBM DATE: none/ ORIG REF: 002

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ZAL'TSMAN, K. F.

"Use of Technological Laws in the Construction of Main Steel Pipe Lines"
page 45 of the book Petroleum Bases and Pipe Lines, Gostoptekhizdat,
1956.

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Construction of pipelines in Central Asia. Stroi. truboprov.
3 no.8:11-13 Ag '58. (MIRA 11'11)
(Soviet Central Asia--Gas, Natural--Pipelines)

ZAL'TSMAN, L., inzh.

Regulation of atmospheric temperature. Av. i korm. 46 no.5:
86-89 My '64. (MIRA 17:7)

BYKOV, L.N., inzh.; ZGURSKIY, V.A., inzh.; ZAL'TSMAN, L.G., inzh.;
CHERNAYA, S.M., inzh.

Using the BRT-200M current reverser in silver plating.
Mashinostroenie no.3:81-83 My-Je '65. (MIPA 18:6)

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66-69. Ap-Je '65. (MIRA 18:7)

VOLKOV, A.I., inzh.; ZAL'TSMAN, L.I., inzh.; PISARENKO, V.S., inzh.

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4. Stock and Stockbreeding
7. Prospects for intensifying animal husbandry in the main agricultural areas of the U. S. S. R. Sots. sel'khoz. no 10: 0'52

9. Monthly List of Russian Accessions, Library of Congress, Feb. 1953. Unclassified.

1. ZAL'TSMAN, L. M. Prof.
2. USSR (600)
4. Stock and Stockbreeding
7. Systems of animal husbandry and their peculiarities in various regions of the U. S. S. R. Sov. zootekh. no. 12: D'52
9. Monthly List of Russian Accessions, Library of Congress, Feb. 1953. Unclassified.

1. ZAL'TSMAN, L. M.

2. USSR (600)

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HD1491.R9Z3

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21 no.11:11-13 N '54. (MIRA 7:12)
(Stock and stockbreeding)

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2. Pochvennyy institut imeni V.V. Dokuchayeva Akademii nauk SSSR (for Fridland).

(Caspian Sea region--Geography)

SAL'TOV/ LIT (1 Dr.)

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551 p. maps, maps, tables.

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(MIRA 13:7)

(Agricultural administration)